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# Product Specification

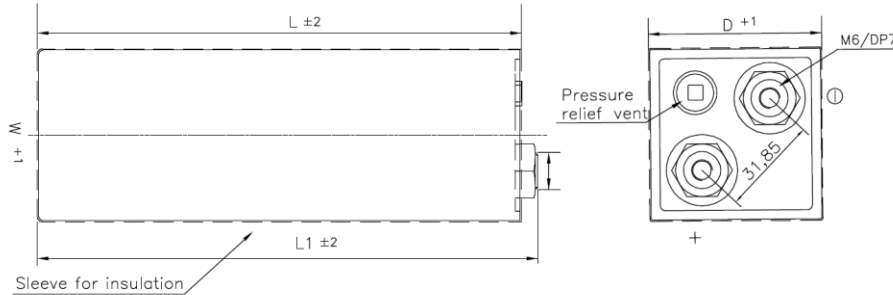
LSUC 002R8P 3000F EA



# Product specification

## Physical properties

Dimension in mm (not to scale)



## Specification

|  |                                |  |
|--|--------------------------------|--|
| Rated Voltage                            | 2.8 V                          |  |
| Max. Voltage <sup>1</sup>                | 3.0 V                          |  |
| Capacitance Tolerance                    | 0% / +20%                      |  |
| Operating temperature range              | -40 ~ 65 °C                    |  |
| Storage temperature range                | -40 ~ 70 °C                    |  |
| Endurance Life (65°C)                    | 1,500 Hours                    |  |
|  | Capacitance change             | Within 30% of initially specified value  |
|  | ESR change                     | Within 150% of initially specified value |
| Projected Life Time (25°C)               | 10 Years at rated voltage      |  |
|  | Capacitance change             | Within 30% of initially specified value  |
|  | ESR change                     | Within 150% of initially specified value |
| Projected Cycle Life (25°C) <sup>2</sup> | 1,000,000 Cycles               |  |
|  | Capacitance change             | Within 30% of initially specified value  |
|  | ESR change                     | Within 150% of initially specified value |
| Shelf Life (25°C)                        | 4 Years stored uncharged state |  |

## Standard Ratings

| Part number          | Capacitance (F) | Max ESR (mΩ) | Max. Current (A)<br>Non-repeated<br>(Calculated value) | Leakage Current (mA) | Max. Stored Energy (Wh) |
|----------------------|-----------------|--------------|--|----------------------|-------------------------|
| LSUC 002R8P 3000F EA | 3000            | 0.36         | 2,019  | < 5                  | 3.26                    |

| Part number          | Dimension (mm) |         |        |         | Weight (g) |
|----------------------|----------------|---------|--------|---------|------------|
|                      | D (+1)         | W (+ 1) | L (±2) | L1 (±2) |            |
| LSUC 002R8P 3000F EA | 5              | 55      | 155    | 160     | 650        |

\*Remark

1) Non-repeated, not to exceed 1sec.

2) Actual cycle value can be subject to various application conditions.